

Note: Think and Answer**Name:****Date:****Evaluator's Comments:**

Maximum Marks	
Marks Obtained	
%	
Maximum Marks (Objective)	
Marks Obtained	
%	
Maximum Marks (Subjective)	
Marks Obtained	
%	

Parent's Signatures	Parent's Signatures

I. Objective Questions:

1. Medulla oblongata controls
 - A. Smelling
 - B. Beating of heart and respiratory movement
 - C. Intelligence and will power
 - D. Balancing the body
2. Balance of body is controlled by:
 - A. Spinal cord
 - B. Cerebellum
 - C. Cerebrum
 - D. Medulla
3. The smell of good food causes watering of your mouth. It is a
 - A. Natural reflex
 - B. Acquired reflex
 - C. Inborn reflex
 - D. Ordinary reflex
4. The structural and functional unit of the nervous system is a
 - A. Axon
 - B. Nephron
 - C. Neuron
 - D. Texon
5. Many short fibres extending from the cell body of a nerve cell are called
 - A. dendrons
 - B. axon
 - C. dendrites
 - D. ganglia
6. Motor nerve carries messages to the
 - A. heart
 - B. spinal cord
 - C. muscles and glands
 - D. brain
7. These nerves emerge from the brain and reach organs in the head region.
 - A. Spinal

- B. Cranial
- C. C.vagus
- D. pelvic

8. The message that travels along a nerve in the form of a wave of chemical disturbance is called

- 1. stimulus
- 2. response
- 3. sensation
- 4. impulse

9. Junction of the two neurons is called

- A. joint
- B. synapse
- C. association neuron
- D. synaptic button

10. The human brain is enveloped by three membranes called

- A. impulses
- B. meninges
- C. synapses
- D. none of these

11. Breathing and heartbeat are controlled by the

- A. cerebellum
- B. cerebrum
- C. medulla
- D. nerve cells

12. The central canal of the spinal cord is surrounded by an H-shaped area called

- A. grey matter
- B. white matter
- C. black matter
- D. silver matter

13. Reflex actions are the actions controlled by

- A. brain
- B. spinal cord

- C. both brain and spinal cord
- D. neither brain nor spinal cord

14. The peripheral nervous system transmits messages to and from the sense organs and is responsible for

- A. involuntary actions
- B. reflex actions
- C. autonomic actions
- D. voluntary actions

B. Fill in the Blanks:

1. A neuron is the basic structural and functional unit of the _____ system.
2. A single long fibre extending from the cell body of a neuron is called _____.
3. The central nervous system consists of _____ and _____.
4. The _____ is the continuation of the medulla oblongata of the brain.
5. The nerve pathway of a reflex action is called a _____.
6. The peripheral nervous system consists of _____ and _____ nerves.
7. The basic structural and functional unit of the nervous system is a _____.
8. _____ is covered by a sheath called myelin sheath.
9. _____ is the largest part of the brain.
10. The _____ fluid nourishes the brain and absorbs shocks.
11. The _____ coordinates the movement of the voluntary muscles.

C. True or False. If False, correct the following statements:

1. Each nerve cell consists of a cell body, many short fibres and a long fibre.
2. Motor nerves carry impulses from the sense organs to the spinal cord.
3. The largest portion of the brain is the cerebellum.
4. Thinking, reasoning and memory are controlled by the medulla.
5. A reflex action is a spontaneous response to a stimulus.
6. The central nervous system consists of nerves only.

D. Find the odd one out. Give reason for your choice:

Q1. Dendron , cyton , cerebrum, dendrite, axon

Q2. Cerebrum, cerebellum, medulla oblongata, dendrite

E. Write one word in the space provided to complete the second pair of the related words pertaining to the nervous system.

Memory: cerebrum:: breathing: ?

Balance: cerebellum:: reasoning: ?

F. Name the following:

(a) The long, extended process of a neuron

(b) The point of contact between two neurons

(c) The kind of nerve which carries both sensory and motor neurons

(d) The nerve which connects the eyes to the brain

(e) The nerve which connects the nose to the brain

(f) The nerve which connects the ears to the brain

(g) Two sub-divisions of the peripheral nervous system

(h) Two parts of the autonomic nervous system

II. Short Answer Questions:

Q1. Name the two types of coordination which take place in our body.

Q2.

(a) Name the three major divisions of the human nervous system.

(b) Name the three main parts of the human brain.

Q3. Mention the three functions of spinal cord.

Q4. You are driving your bicycle at a fast speed. Suddenly, a small boy comes in front of your cycle and without wasting any time in thinking, you immediately apply the brakes and the accident is avoided. What name is given to such an action?

Q5. Define nervous system.

Q6. What are motor nerves?

- Q7.** What is a synapse?
- Q8.** Write the function of the cerebrospinal fluid.
- Q9.** Give two examples of reflex actions.
- Q10.** When you smell tasty food, your mouth waters. Which part of the nervous system makes this happen?
- Q11.** Rakesh was walking barefoot in a park. Suddenly, he stepped on a nail and withdrew his foot spontaneously. Name the pathway involved in this action. Which organ in our body controls such actions?
- Q12.** What is Central Nervous System?
- Q13.** What are the four lobes of the brain?
- Q14.** How many cranial nerves are coming out from the brain?
- Q15.** How many spinal nerves are coming from the spinal cord?
- Q16:.** Which part of the Central Nervous System is responsible for the reflex action?
- Q17.** Mention the three functions of spinal cord.
- Q18.** What constitutes the central and peripheral nervous systems?